

Maricopa Association of Governments  
Building Codes Committee Standard

PERMIT SUBMITTAL REQUIREMENTS  
RESIDENTIAL SOLAR DOMESTIC WATER HEATING SYSTEMS

August 11, 2003

In an effort to promote uniformity through MAG jurisdictions under the purview of safety, the following submittal requirements are adopted as a MAG standard for securing necessary plumbing/building permits for residential (single-family) Solar Domestic Hot Water (DHW) systems:

1. The location of the solar panel system shall be indicated on the plans, including roof plan, elevation and mounting details for panel installation.
2. Structural analysis shall be required and/or on file for systems with water storage on roof (e. g. – integrated collector storage systems or thermosyphon systems).
3. Systems structural engineering analysis shall not be required for flat plate collectors whose weight does not exceed 20 lbs per square foot on roof slopes of 4/12 or less and 16 lbs per square foot on roof slopes greater than 4/12.
4. Standard plans (where permitted by local jurisdiction) shall be on file, including Solar Rating and Certification Corporation (SRCC) System Data (specification sheet).
5. Note on plans that Solar Domestic Water Heating equipment shall be installed in accordance with applicable plumbing codes and in accordance with SRCC and State of Arizona Guidelines.
6. [The permit cost for installing a Replacement of Solar Domestic Water Heating systems](#) shall be treated the same as a water heater replacement.

NOTE:

Local planning and zoning regulations involving such requirements as setback, height limitations, color, reflectivity or other design considerations, may apply. See the local governing jurisdiction for further information.